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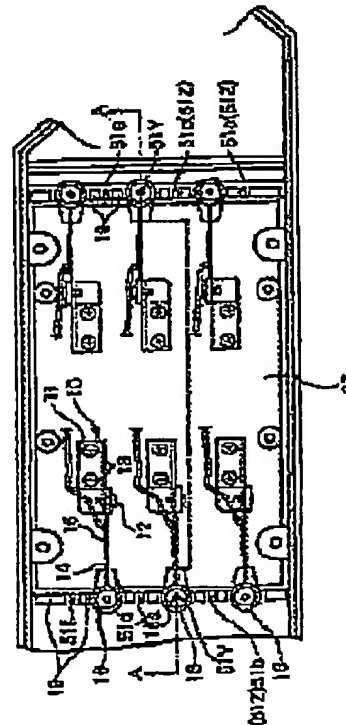
ELECTRONIC STRING INSTRUMENT

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Abstract of JP2002251182

PROBLEM TO BE SOLVED: To make a musical sound having the optimum level suited to the intention of a player to be generated with simple constitution. **SOLUTION:** Each string member 51 has a string flipping part 51W, shaft parts 51X, one end part 51Y and the other end part 51Z and is movable in the arrangement direction of the string members around both shaft parts 51X. The leaf spring 14 of a sensing body 10 has elasticity and its base end part 14a is attached to a holding member 11 and the one end part 51Y passes through the hole 16a of the rubber body 16 attached to the top end part 14b of the spring 14 and, on the other hand, the other end part 51Z is putted in a gap which is formed by a pair of rubber materials for stopper 19. A piezo-sensor 15 which is provided on the leaf spring 14 detects the string flipping operation of the string member 51 with a flexion phenomenon and a musical sound is generated by allowing a CPU (central processing unit) 60 to output a sound source instruction signal for stipulating the level of the musical sound or the like based on the detection output signal of the sensor 15. When the string flipping operation is released, the string member 51 is restored to an initial position at the time of a non-flipped string.



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